

JENKINS | patent attorneys TAYLOR

January 12, 2007



RICHARD E. JENKINS

JEFFREY L WILSON

ARLES A. TAYLOR, JR.

GREGORY A. HUNT

BENTLEY J. OLIVE

*CHRIS PERKINS, PH.D.

"JAMES DALY IV, PH.D.

P. ASHLEY DARDEN

DAVID M. SIGMON

Sir:

WESLEY A. SHEFFIELD

SCOTT C. MAYHEW

***KIRBY A. TURNER

PATENT AGENT JAY KLINCK

TECHNICAL SPECIALIST AMY ODENBAUGH, PH.D.

*LICENSED ONLY IN CA

"LICENSED ONLY IN KY

"LICENSED ONLY IN GA

Mail Stop Amendment Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

Re:

U.S. Patent Application Serial No. 10/529,071 for

TARGETED TUMOR THERAPY BY USE OF RECOMBINANT ADENOVIRUS VECTORS THAT SELECTIVELY REPLICATE IN

Oksana Buynitzky

Date of Signature: (January 12,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2007.

HYPOXIC REGIONS OF TUMORS

Our Ref. No. 180/156 PCT/US

Please find enclosed in connection with the subject U.S. patent application the following documents:

- 1. Information Disclosure Statement (2 pages);
- 2. Form PTO-1449 (2 pages);
- 3. Copies of cited references (5 references); and
- 4. A return-receipt postcard to be returned to us with the U.S. Patent and Trademark Office filing stamp thereon.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS, WILSON, TAYLOR & HUNT, P.A.

Arles A. Taylor, Jr. Registration No. 39,395

AAT/omb

Enclosures

Customer No. 25297

University Tower, Suite 1200 | 3100 Tower Boulevard | Durham, North Carolina 27707 tel 919.493.8000 | Jenkins, Wilson, Taylor & Hunt, P.A.

fax 919.419.0383 | JenkinsWilson.com

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2007.

PATENT

Olffice Ruynitzki Date of Stanature

January 12, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Li et al.

Group Art Unit: 1632

Serial No.: 10/529,071

Examiner: Not assigned

Filed: March 24, 2005

Docket No.: 180/156 PCT/US

For:

TARGETED TUMOR THERAPY BY USE OF RECOMBINANT ADENOVIRUS

VECTORS THAT SELECTIVELY REPLICATE IN HYPOXIC REGIONS OF

TUMORS

* * * * * * * * * * * *

INFORMATION DISCLOSURE STATEMENT

(After First Office Action but Within 3 Months of Communication from Foreign Patent Office)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the documents listed on the attached form PTO-1449. Copies of the references as well as Form PTO-1449 are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

No fee under 37 C.F.R. Section 1.17(p) is due as the undersigned hereby certifies that each item of information contained in this statement was cited in a communication

Appln. No.: 10/529,071

from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Early passage of the subject application to issue is earnestly solicited.

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any fees associated with the filing of this Information Disclosure Statement to Deposit Account No. <u>50-0426</u>.

Respectfully submitted,

JENKINS, WILSON, TAYLOR & HUNT, P.A.

Date: January 12, 2007

Arles A. Taylor, Jr.

By:

Registration No. 39,395

REJ/gwc

Enclosures

Customer No. 25297

180/156 PCT/US

10/529.071 U.S. Department of Commerce Application No.: ademark Office Filing Date: March 24, 2005 First Named Inventor: Li et al. List of Documents Cited by Applicant Group: 1632 Examiner: Not assigned 180/156 PCT/US Attorney Docket No.: U.S. PATENT DOCUMENTS Examiner Cite **Document Number** Publication Date Name of Patentee or Applicant Pages, Columns, Lines, of Cited Document where relevant passages or Initial No. relevant figures appear FOREIGN PATENT DOCUMENTS Т **Publication Date** Name of Patentee or Applicant Pages, columns, lines Examiner Cite Document Number Initials where relevant No. (country code, no., kind passages appear code (if known) OTHER DOCUMENTS Т Include Author (in CAPITAL LETTERS), Title, Journal, Date, Pertinent Pages, Etc. Examiner Cite Initials No. Α Koshikawa et al. Therapeutic afficacy of the suicide gene driven by the promoter of vascular endothelial growth factor gene against hypoxic tumor cells. Cancer Research, Vol. 60, (2000), pp.2936-2941 B Griffiths et al. The macrophage – a novel system to deliver gene therapy to pathological hypoxia. Gene Therapy, Vol. 7, (2000), pp.255-262 C Kurihara et al. Selectivity of a replication-competent adenovirus for human breast carcinoma cells expressing the MUC1 antigen. The Journal of Clinical Investigation, Vol. 106, no. 6, (2000), pp.763-771

D	Kruyt et al. Toward a new generation of conditionally replicating adenoviruses: pairing tumor selectivity with maximal oncolysis. Human Gene Therapy, Vol. 13, (2002), pp.485-495	:
E	Supplementary Partial European Search Report corresponding to EP application No. EP 03799374 dated November 24, 2006.	
		-

EXAMINER	 	DATE CONSIDERED	

^{*}Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.